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L1: Entry 1 of 2

File: JPAB

Jul 4, 1985

PUB-NO: JP360125212A

DOCUMENT-IDENTIFIER: JP 60125212 A

TITLE: DEFOAMING APPARATUS FOR LIQUID AND METHOD THEREFOR

PUBN-DATE: July 4, 1985

INVENTOR-INFORMATION:

NAME

COUNTRY

INOUE, ISAMU

UCHIDA, MASAMI

*optical disk apparatus
defoaming apparatus*

ASSIGNEE-INFORMATION:

NAME

COUNTRY

MATSUSHITA ELECTRIC IND CO LTD

APPL-NO: JP58231702

APPL-DATE: December 8, 1983

US-CL-CURRENT: 96/176

INT-CL (IPC): B01D 19/00; C08J 3/00; C08J 3/28

ABSTRACT:

PURPOSE: To supply a liquid free from the mixing of air bubbles, in the defoaming treatment of a liquid capable of being used in a semiconductor and optical disk apparatus, by defoaming the liquid in a container under reduced pressure and further passing the defoamed liquid through pipings held under vacuum to emit the same.

CONSTITUTION: An exhaust pump 5 is operated in such a state that valves 6, 8 are closed and valve 7 is opened to evacuate a space 3 and the defoaming of a UV resin 2 is performed. At the same time, valves 9, 17 are opened and an exhaust pump 16 is operated to evacuate pipings 11, 12, 15, the valve 9 and a small tank 13. The vacuum degree of the small tank 13 is higher than that of the space 3. When the valve 8 is opened in this state, the resin 2 is dripped in the small tank 13 through the piping 15. When dripping begins, the valves 8, 7, 9 are closed while the valve 6 is opened to pressurize the space 3. If the valve 17 is closed and the piping 12 is detached from a joint 14 while the valve 8 is opened, the resin 2 is emitted and supplied from the opening of the piping 12 by the opening and closing of the valve 9.

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L1: Entry 2 of 2

File: DWPI

Jul 4, 1985

DERWENT-ACC-NO: 1985-199957
DERWENT-WEEK: 198533
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TITLE: Liq. defoaming device - has evacuating means to prevent discharge of foam through pipes

PATENT-ASSIGNEE:

ASSIGNEE

CODE

MATSUSHITA ELEC IND CO LTD

MATU

PRIORITY-DATA: 1983JP-0231702 (December 8, 1983)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>JP 60125212 A</u>	July 4, 1985		004	

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 60125212A	December 8, 1983	1983JP-0231702	

INT-CL (IPC): B01D 19/00; C08J 3/00

ABSTRACTED-PUB-NO: JP 60125212A

BASIC-ABSTRACT:

Liq. is filled in a first vessel with a first space remaining. A second vessel is arranged outside of the first vessel. A pipe is opened at one end in the filled liq., and the other open end is opened in the interior space of the second vessel. An open-close valve is arranged in the pipe. A first evacuating means is provided for pressurising the first space. A second evacuating means is provided for evacuating the interior space of the second vessel.

While the open-close valve is closed, the interior spaces of the first and second vessels and the pipe are sucked under vacuum by the first and second evacuating means to defoam the liq. Then, while the vacuum degree of the second vessel is set higher than that of the first space, the open-close valve is opened and the liq. is filled in the pipe. Then, while the open-close valve is closed, the first space is pressurised by the pressurising means, the other end of the pipe is taken out from the second vessel, and the liq. is discharged by opening or closing the open-close valve.

ADVANTAGE - Foams are prevented from being discharged through the pipe.

CHOSEN-DRAWING: Dwg.0/4

TITLE-TERMS: LIQUID DEFOAM DEVICE EVACUATE PREVENT DISCHARGE FOAM THROUGH PIPE

DERWENT-CLASS: J01

CPI-CODES: J01-D02;